

CLAIMS

1. A powered oscillating hand tool comprising
(a) a drive unit having an electric motor and a drive shaft;
5 (b) a bearing eccentrically mounted on the drive shaft and located radially eccentrically relative to the drive shaft;
(c) a carrier plate mounted on the bearing and
(d) a platen for mounting on the carrier plate characterised in that the carrier plate is provided with a first engagement means and the platen is provided with second engagement means to engage with the first engagement means by rotation of the platen relative to the carrier plate.
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2. A powered oscillating hand tool according to claim 1, characterised in that the first and second engagement means together comprise a bayonet fitting.
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3. A powered oscillating hand tool according to claim 2, characterised in that the first engagement means comprises one or more apertures and the second engagement means comprises one or more hook members.
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4. A powered oscillating hand tool according to claim 1 which is a sander.
5. A powered oscillating hand tool according to claim 3 which is a sander.
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6. A power oscillating hand tool comprising:
a drive unit;
a carrier plate mounted on the drive unit and driven thereby, said carrier plate including a plurality of holes, each said hole having a substantially horizontal platform extending from one side of the hole;
a platen including a plurality of projections extending from an upper surface thereof, each projection corresponding to one said hole and including a hook;
30 wherein, said platen is removably secured on said carrier with each projection extending through a corresponding hole with said hook resting upon said platform to maintain said platen on said carrier.

7. The tool recited in claim 6, said plurality of holes each including a substantially vertical flat face formed along one side of said platform, said hooks each including a flat face formed along one side thereof, wherein, said flat faces of said holes abut said flat faces of said hooks.

8. The tool recited in claim 7,
said carrier plate holes each having an inwardly projecting detent extending from one side of the hole, said substantially horizontal platform extending from an opposite side of the hole, said carrier also including a plurality of second holes, one said second hole formed adjacent each first said hole and providing an inward spring bias to said detents,
wherein, said platen is secured on said carrier with said detents biased into contact with said projections.

15 9. The tool recited in claim 6,
said carrier plate holes each having an inwardly projecting detent extending from one side of the hole, said substantially horizontal platform extending from an opposite side of the hole, said carrier also including a plurality of second holes, one said second hole formed adjacent each first said hole and providing an inward spring bias to said detents,
20 wherein, said platen is secured on said carrier with said detents biased into contact with said projections.